

**Abstract:**

**Electronic Control Unit for Motor Vehicle Brake Systems**

The electronic control unit (14) is provided for the connection to a hydraulic unit (13) by way of a magnetic plug, in particular in motor vehicle brake systems, and comprises

- a zone formed of housing walls (14') for the accommodation of several valve coils (12) arranged in this zone,
- a housing cover (8, 35),
- at least one first printed circuit board (31, 5) for the accommodation of electric and/or electronic components and an electrical contacting, and

a first heat-conducting plate (9, 32) for the dissipation of heat of the electronic components, with the first heat-conducting plate being planarly connected to the first printed circuit board and at least one thermal connecting element (4, 15) being provided, which constitutes a thermal bridge between the first printed circuit board(s) and the first heat-conducting plate(s).

The invention further relates to a pump-driving unit cooperating with this control unit, in which a motor base plate (22) is provided for the electronic power components of the motor.

Further disclosed is an electrohydraulic control device equipped with one or more elongated heat-conducting elements (172) which are in contact with the hydraulic block (13) and the cooling element (9) for forming a thermal bridge. In this arrangement, a longitudinal side of the heat-conducting

elements (172) is connected operatively or positively to the hydraulic block or the cooling element (9), and in each case their opposed longitudinal sides (1712) bear planarly against the hydraulic block or the cooling element without the operative connection in a detachable manner.

(Figure 1)